

BRAKE CONTROL SYSTEM AND METHOD

ABSTRACT OF THE DISCLOSURE

5 A system and method establishes an acceleration of a vehicle which may
be used to control a brake system of a towed vehicle towed by a towing vehicle. The
system and method establish a gravity vector representing acceleration due to gravity,
measure acceleration of the vehicle in a first direction and responsively establish a first
acceleration value, measure acceleration of the vehicle in a second direction and
10 responsively establish a second acceleration value, and establish a magnitude of the
acceleration of the vehicle in a plane orthogonal to the gravity vector as a function of the
gravity vector and the first and second acceleration values.